

What is claimed is:

1. A projection type display device, comprising:
 - a light source;
 - an optical system for modulating illumination light output
 - 5 from said light source based on input image information;
 - a power source section for supplying electric power for driving at least said light source;
 - a box for housing said optical system, aid light source and said power source section;
 - 10 an exhaust means for exhausting air within said box by using an axial fan; and
 - a cover member for covering at least an upper surface of said box; wherein
 - an outlet of said exhaust means is provided in a bottom
 - 15 side of said box.
2. The projection type display device according to Claim1 wherein said cover member commonly covers a plurality of apertures formed on an upper side of said box for removing
- 20 and/or installing components.
3. The projection type display device according to Claim1 wherein said exhaust means includes:
 - exhaust means for light source, for generating an airflow
 - 25 for exhausting heat generated from a light source;
 - and exhaust means for power source, for generating an airflow for exhausting heat generated from a power source section; wherein
 - paths for the airflows generated by said exhaust means
 - 30 for light source and said exhaust means for power source are separated from each other.

4. The projection type display device according to Claim 3, further comprising:

a support member for supporting said box; wherein

5 said box includes a projecting portion supported by said support member, which projects downwardly; and

an outlet of said exhaust means for light source is formed in said projecting portion so as to laterally exhaust air between said support and said box.

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5. The projection type display device according to Claim 3, wherein said exhaust means for light source further comprises:

inlet formed in proximity to said light source in the bottom of said box;

15 outlet disposed in the bottom side of said box;

a plurality of axial fans disposed in line for air conduction;

and

exhaust duct for leading air flow from said inlet, passing through said light source and conducted by said axial fan, to said

20 outlet.

6. The projection type display device according to Claim 5, wherein said exhaust duct comprises a plurality of guide plates for equalizing the distribution of volume of air exhausted
25 through said outlet.

7. The projection type display device according to Claim 1, further comprising a sirocco fan for taking air in from outside of said box and discharging the air toward an optical component
30 which has temperature increased by absorbing illumination light of said optical system, wherein an inlet for said sirocco fan is

formed on one side of said box.

8. The projection type display device according to Claim 7,
wherein said sirocco fan is disposed on a position in which
5 cooling air discharged from said sirocco fan merges into airflow
originated by said exhaust means for power source after cooling
said optical component.

9. A projection type display device in which illumination
10 light is modulated and projected based on input image data, said
projection type display device comprising:

a sirocco fan directly connected to a frame for holding an
optical component which has temperature increased by
absorbing said illumination light, and discharging cooling air
15 taken from outside towards said optical component; and

a distribution means for distributing said cooling air in
quantities which correspond to different temperatures that a
plurality of said optical components reach.

20 10. The projection type display device according to Claim 9,
wherein said distribution means includes a regulation means for
regulating said cooling air which flows towards said optical
component.

25 11. The projection type display device according to Claim 10,
wherein said frame, said distribution means and said regulation
means are included in a same body.